

Notice of Allowability

Application No.

10/721,361

Examiner

Tarifur R. Chowdhury

Applicant(s)

LEE, PHAL JIN

Art Unit

2871

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to election filed on 06/20/05.
2. ☒ The allowed claim(s) is/are 1-14.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Election/Restrictions

1. Claims 1 and 11 are generic and allowable. Accordingly, the restriction requirement as to the encompassed species is hereby withdrawn and claims 6, 14 and 8, directed to the species no longer withdrawn from consideration since all of the claims to this species depend from or otherwise include each of the limitations of an allowed generic claim.

Allowable Subject Matter

2. Claims 1-14 are allowed.

3. The following is an examiner's statement of reasons for allowance:

4. As to claim 1, the prior arts of record do not anticipate or render obvious to one skilled in the art an LCD assembly for a home appliance comprising an insulator provided rectangular at one side of the home appliance to have a guide along an edge of the insulator; a printed circuit board loaded inside the guide; a coating layer on the printed circuit board; an LCD panel provided over the coating layer; and a plurality of recesses formed along edges of the insulator, the printed circuit board, the coating layer, and the LCD panel.

5. As to claim 11, the prior arts of record do not anticipate or render obvious to one skilled in the art an LCD assembly printed circuit board provided with a dummy connected thereto through a multitude of bridges in a recess at an edge thereof, a printed circuit board of a home appliance LCD assembly wherein the bridges extend outside the recess.

6. USPAT 5,161,009 discloses an IC module with a folding junction structure. USPAT 5,743,748 discloses an emulator coupling device wherein a board is electrically coupled with the in-circuit emulator, to the dummy via connectors, which are to be

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coupled with the relay connectors. USPAT 6,094,359 discloses an HF housing comprising an arrangement for electrically interconnecting at least two HF conductor tracks which are formed on adjacent printed circuit boards, which are separated from each other by a slit, and whose ends are situated opposite each other in the region of the slit and an auxiliary printed circuit board connecting the conductor tracks. USPAT 6,580,620 discloses a matrix type printed circuit board for semiconductor packages. JP 11-121892 discloses a flexible circuit board connected to glass substrate of LCD having dummy patterns formed between the connecting terminals and adhesive agent accommodation recess is formed on connecting terminals. KR 2002023065 (commonly assigned) discloses a display part of a washing machine including an LCD connected to a flexible circuit board for displaying an image data. KR 2002023066 (commonly assigned) discloses a protection device of display part of washing machine wherein the protection casing includes a plurality of hooks at a lower end part to be coupled with a PCB mounted to the controller manipulation part. KR 2002022980 (commonly assigned) discloses an LCD for a washing machine including a PCB. However, all of the prior arts alone or in combination with any other prior arts fail to teach or suggest the claimed home appliance LCD assembly including a printed circuit board that is provided with a dummy connected thereto through a multitude of bridges in a recess at an edge thereof, wherein the bridges extend outside the recess or that an LCD assembly for a home appliance comprising an insulator provided rectangular at one side of the home appliance to have a guide along an edge of the insulator; a printed circuit board loaded inside the guide; a coating layer on the printed circuit board; an LCD panel provided

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over the coating layer; and a plurality of recesses formed along edges of the insulator, the printed circuit board, the coating layer, and the LCD panel.

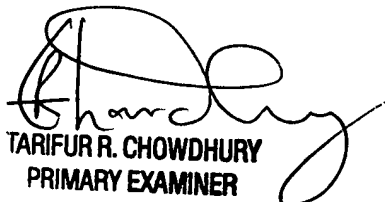
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tarifur R. Chowdhury whose telephone number is (571) 272-2287. The examiner can normally be reached on M-Th (6:30-5:00) Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Kim can be reached on (571) 272-2293. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TRC
September 05, 2005


TARIFUR R. CHOWDHURY
PRIMARY EXAMINER